



## MSHA's Accident Prevention Program Safety Idea

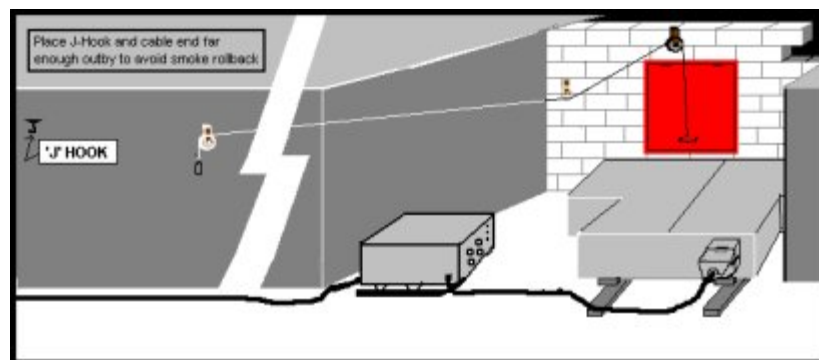
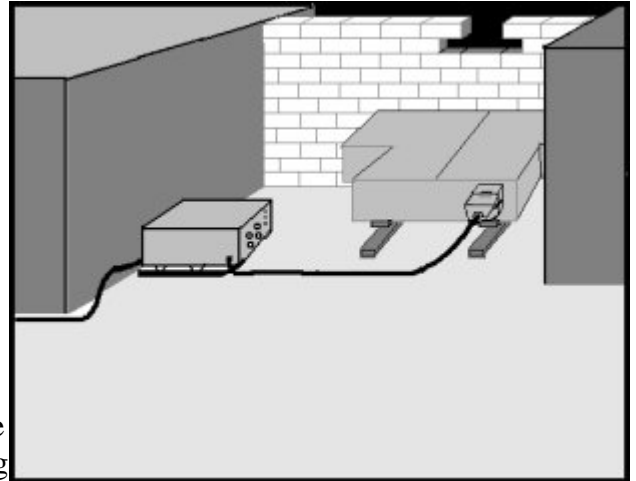
**SAFETY  
IS A  
VALUE!**

### "Battery Station Ventilation "

Category : Ventilation

Mine Type: Underground Coal

The simplest and most common way of venting a battery changing station to the return is to create an adequate opening in the return side stopping. This allows the gases created during battery charging to be vented directly into the return. Also, in the event that a battery should catch fire, the restricted opening would not be capable of exhausting the smoke created by the fire. This would allow smoke to rollback into the entry outby the station which can hinder or delay access for fighting the fire. Placing a standard mandoor in the stopping that can be opened should a fire occur will increase the pull to the return and clear the fresh air side of the fire. Connecting a cable to the door and extending it to an outby position is a simple, inexpensive, and quick way to open the door remotely. The cable doesn't need to be any larger than an eighth of an inch. The pulleys and cable used to hang changeroom baskets will work very well for this application. Be sure to have a 'J' hook or other means to latch the door open after opening. Also, make sure that the cable and 'J' hook are located far enough outby to avoid smoke rollback. The mandoor should not be used as a regulator for the ventilation of the battery station.



This suggestion may reduce accidents and injuries.

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**Remember – Safety is a Value that you can LIVE with!**